

MAINTENANCE MECHANIC I (INSTRUMENTATION)

DISTINGUISHING FEATURES OF THE CLASS: Under supervision, performs apprentice level duties, relating to the maintenance and repair of meter, register and panelboard instrumentation. The incumbent works in situations which provide training to develop skills and knowledge of instrumentation. The incumbent works independently on less complex and routine projects and under supervision on the more difficult jobs. As the employee's skill and knowledge increase, the employee receives less direction until at full performance level. Advancement depends on the assignment and performance of higher level duties on a regular basis and on position availability. In general, jobs involve learning such trade practices and skills as: the proper use of tools and equipment of the trade; the order of assembling parts and what tools and equipment are needed; how to read blueprints, sketches and technical manuals to understand the functions of the parts or systems, to plan and lay out work, to find faulty parts, to perform work; repair techniques to be used including methods used in getting the right fits or tolerances; how to make adjustments and calibrations. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Adjusts, calibrates and maintains automatic, electronic, pneumatic and mechanical control instruments to assure operation at specified rates;

Adjusts, calibrates and maintains electric and clock mechanism drive motors;

Adjusts, calibrates and maintains gear and cam operated mechanism on chart drives;

Cleans and services relays for pickup and drop-out, checking coil voltage and resistance;

Maintains and repairs flow meters, panelboard, relays, solid state transmitters and receivers;

Calibrates pressure gauges and diaphragms;

Calibrates bourdon type pressure gauges and air conditioning and heating thermostats;

Repairs and maintains thermocouple and radiation type pyrometers;

Repairs and maintains tachometers;

Repairs and maintains liquid level gauges including static pressure, diaphragm, bubbler float and differential pressure types;

Repairs and maintains telemetering equipment;

Performs routine and emergency repairs and maintenance, both scheduled in response to emergency situations, as required;

Maintains work area in clean, orderly and safe condition;

EXAMPLES OF WORK: (Con't)

Uses computer applications or other or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of a variety of tools, procedures and techniques relating to the trades; knowledge with the safety precautions of mechanical trades; ability to understand and follow simple oral and written instructions; ability to get along well with others; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; mechanical aptitude; dependability; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A high school or equivalency diploma and either: (a) three years of experience in maintenance, electrical or mechanical work under the supervision of a skilled trades worker; or (b) completion of an appropriate two year technical school course; or (c) a satisfactory equivalent combination of the foregoing training and experience.

SPECIAL REQUIREMENTS:

1. Possession of a valid license to operate a motor vehicle in the State of New York will be required at time of appointment and maintain same while in the title
2. Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.